

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

NA0013	Overall LMA Rating	Total LMA Miles				
Merced Streams Group	U	6.40				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.46	0.32	1.74	27.19%		
Trim / Thin Trees	0.02		0.02	0.31%		
Encroachments	0.03		0.03	0.47%		
Animal Control	1.48	0.02	1.56	24.38%		
Crown Surface / Depressions / Rutting	0.51		0.51	7.97%		
<i>Channels</i>						
Encroachments	2.52		2.52	39.38%		
<i>Supplemental</i>						
DWR Erosion Survey	0.15	0.01	0.19	2.97%		
<i>LMA Totals:</i>	5.17	0.35	6.57	102.66%	0.00	0.00
Unit No. 01 Black Rascal Diversion RB	Overall Unit Rating	Total Unit Miles				
NA0013	U	1.64				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.45	0.32	1.73	105.49%		
<i>Unit Totals:</i>	0.45	0.32	1.73	105.49%	0.00	0.00
Unit No. 02 Black Rascal Diversion LB	Overall Unit Rating	Total Unit Miles				
NA0013	U	1.88				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Trim / Thin Trees	0.01		0.01	0.53%		
Encroachments	0.02		0.02	1.06%		
Animal Control	0.28		0.28	14.89%		
Crown Surface / Depressions / Rutting	0.51		0.51	27.13%		
<i>Channels</i>						
Encroachments	1.14		1.14	60.64%		
<i>Unit Totals:</i>	1.96	0.00	1.96	104.26%	0.00	0.00
Unit No. 03 Owens Creek Diversion RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.			
NA0013	M *	1.44				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Animal Control	0.08		0.08	5.56%		
<i>Supplemental</i>						
DWR Erosion Survey	0.01	0.01	0.05	3.47%		
<i>Unit Totals:</i>	0.09	0.01	0.13	9.03% *	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 04 Owens Creek Diversion LB		Overall Unit Rating	Total Unit Miles				
NA0013		U	1.44				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Earthen Levee							
Vegetation	0.01		0.01	0.69%			
Trim / Thin Trees	0.01		0.01	0.69%			
Encroachments	0.01		0.01	0.69%			
Animal Control	1.12	0.02	1.20	83.33%			
Channels							
Encroachments	1.38		1.38	95.83%			
Supplemental							
DWR Erosion Survey	0.14		0.14	9.72%			
Unit Totals:	2.67	0.02	2.75	190.97%	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Merced Streams Group

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Merced Streams Group**

Waterway		Bank	Unit Miles
Unit No. 01 Black Rascal Diversion		Right	1.64

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/5/2011 - 5/5/2011		11/22/2011 - 11/21/2011	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Black Rascal Diversion						Right	1.64	11/22/2011 11/21/2011	Herman Phillips	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	37.314761 ° -120.396393 °	37.314761 ° -120.396393 °	5 Y
2	1.07	1.52	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.329741 ° -120.396368 °	37.335623 ° -120.396136 °	4
3	1.31	1.63	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.332825 ° -120.394887 °	37.337056 ° -120.396531 °	1 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	11/22/2011 11/21/2011	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Black Rascal Diversion Unit # 1 looking downstream from levee mile 0.00. Photo taken 11-21-2011.

phillips_f_20111208_119.jpg



Levee Mile Report Line	3
Start Levee Mile	1.31
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking downstream at vegetation on waterward the top 20-feet over grown levee mile 1.31-1.63. Photo taken 5-4-2011.

phillips_f_20110929_038.jpg



Levee Mile Report Line	3
Start Levee Mile	1.31
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Unsatisfactory wild growth from levee mile 1.31-1.63. Photo taken 11-21-2011.

phillips_f_20111208_120.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	11/22/2011 11/21/2011	Herman Phillips

Levee Mile Report Line	3
Start Levee Mile	1.31
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Continue wild growth levee miles 1.32-1.63. Photo taken 11-21-2011.	
phillips_f_20111208_121.jpg	

*** Location**

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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Merced Streams Group**

Waterway		Bank	Unit Miles
Unit No. 02 Black Rascal Diversion		Left	1.88

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/4/2011 - 5/4/2011		11/21/2011 - 11/21/2011	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Black Rascal Diversion						Left	1.88	11/21/2011 11/21/2011	Herman Phillips	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	37.337016 ° -120.387439 °	37.337016 ° -120.387439 °	4 Y
2	0.01	0.01	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	37.337047 ° -120.387557 °	37.337047 ° -120.387557 °	3
3	0.44	0.44	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	37.333962 ° -120.392637 °	37.333962 ° -120.392637 °	17 Y
4	0.53	1.67	Channels	Encroachments	WS	M	Inspector Comments: Dredge material piled on waterside berm may effect channel capacity during high flows. 11-21-2011 all dredge material has been removed.	37.333394 ° -120.393872 °	37.317640 ° -120.395743 °	1 Y
5	0.58	0.58	Earthen Levee	Encroachments	WS	C	Equipment Inspector Comments: Federal gauging station.	37.332531 ° -120.394135 °	37.332531 ° -120.394135 °	14
6	0.64	0.64	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	37.331840 ° -120.394190 °	37.331840 ° -120.394190 °	9
7	0.70	0.97	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.331107 ° -120.394673 °	37.327500 ° -120.396098 °	8
8	0.90	0.90	Earthen Levee	Encroachments	LS	C	Buildings Inspector Comments: Wooden barn on levee slope and toe.	37.328521 ° -120.396076 °	37.328521 ° -120.396076 °	12
9	1.04	1.55	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	37.326521 ° -120.396072 °	37.319315 ° -120.396007 °	2
10	1.06	1.06	Earthen Levee	Encroachments	WS	C	Garbage	37.326268 ° -120.396117 °	37.326268 ° -120.396117 °	13
11	1.20	1.20	Earthen Levee	Encroachments	LS	M	Garbage	37.324308 ° -120.396016 °	37.324308 ° -120.396016 °	10
12	1.46	1.46	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.320576 ° -120.396017 °	37.320576 ° -120.396017 °	6
13	1.54	1.54	Earthen Levee	Encroachments	LS	M	Garbage	37.319070 ° -120.396010 °	37.319070 ° -120.396010 °	7 Y
14	1.55	1.55	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.319316 ° -120.396007 °	37.319316 ° -120.396007 °	11

*** Location**

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CR : Crown

**** Rating**

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U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.88	11/21/2011 11/21/2011	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Black Rascal Creek Unit 2 levee mile 0.00 looking downstream. Photo taken 11-21-2011.

phillips_f_20111208_122.jpg



Levee Mile Report Line	3
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Large tree stump on levee slope.

phillips_f_20110929_040.jpg



Levee Mile Report Line	3
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Large tree stumps have not been removed. Photo taken 11-21-2011.

phillips_f_20111208_123.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.88	11/21/2011 11/21/2011	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.53
End Levee Mile	1.67
Location	Water Side
Category	Channels
Item	Encroachments
Dredge material placed on berm of diversion channel.	
phillips_f_20110929_039.jpg	



Levee Mile Report Line	13
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Levee mile 1.54 garbage dumped on landward slope and toe of levee section. Photo taken 11-21-2011.	
phillips_f_20111208_125.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Merced Streams Group**

Waterway		Bank	Unit Miles
Unit No. 03 Owens Creek Diversion		Right	1.44

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	5/5/2011 - 5/5/2011		11/21/2011 - 11/21/2011	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway						Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 03 Owens Creek Diversion						Right	1.44	11/21/2011 11/21/2011		Herman Phillips
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.01	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	37.257726 ° -120.288522 °	37.257726 ° -120.288522 °	25 Y
2	0.01	0.35	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	37.257778 ° -120.288497 °	37.262466 ° -120.288387 °	6
3	0.29	0.29	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.261663 ° -120.288524 °	37.261663 ° -120.288524 °	9
4	0.44	0.44	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.263826 ° -120.288439 °	37.263826 ° -120.288439 °	22
5	0.68	0.68	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.266998 ° -120.287393 °	37.266998 ° -120.287393 °	18
6	0.79	0.79	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.268326 ° -120.286295 °	37.268326 ° -120.286295 °	17
7	0.84	0.84	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.268923 ° -120.285818 °	37.268923 ° -120.285818 °	969
8	1.00	1.00	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 08/16/2011: No visible change. 100 percent vegetation coverage with star thistles. Minor cracking visible on the waterside slope. 11/30/2010: Site was not inspected this year due to time constraint. There have been no reports from the district that this site was corrected. Continue to monitor during flood events. 2009: Site is recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; it was previously rated "U". 8/26/2008: Terracetting erosion; frequent livestock traversing the slopes has caused deformation of the waterside levee slope. 9/11/2007: GPS extended from opposite bank using Google Earth. [2011 Site ID:NA0013U03RM1]	37.270800 ° -120.284180 °	37.270800 ° -120.284180 °	1 Y
9	1.15	1.15	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.272036 ° -120.282111 °	37.272036 ° -120.282111 °	15
10	1.20	1.20	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.272444 ° -120.281282 °	37.272444 ° -120.281282 °	970
11	1.23	1.23	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	37.272553 ° -120.280742 °	37.272553 ° -120.280742 °	971
12	1.24	1.24	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: This unit is maintained as far as the vegetation is concerned however there is a problem with the rodents. The District should have bait stations through out the area where rodents are present.	37.272584 ° -120.280543 °	37.272584 ° -120.280543 °	8

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 03 Owens Creek Diversion						Right	1.44	11/21/2011 11/21/2011	Herman Phillips	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
13	1.24	1.24	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	37.272569 ° -120.280443 °	37.272569 ° -120.280443 °	12
14	1.25	1.25	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: The District needs to be more aggressive in their efforts of controlling the ground rodents.	37.272707 ° -120.280334 °	37.272707 ° -120.280334 °	7 Y
15	1.25	1.25	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/16/2011: No visible change. 100 percent vegetation coverage with star thistles. Minor cracking visible on the waterside slope. Burrow holes visible. 11/30/2010: Site was not inspected this year due to time constraint. There have been no reports from the district that the site was repaired. Continue to monitor during flood events. 2009: Bank erosion scour that is immediately downstream of Mission Avenue bridge; noticeable terracing damage from livestock traversing the slope; site is recommended as local maintenance issue, per CLRO Evaluation 2008 Report; site was previously rated "M". 8/26/2008: Terracing damage from livestock; there is now a pocket erosion developing on the levee toe; site is 100 feet downstream of Mission Avenue bridge. [2011 Site ID: NA0013U03RM1.25]	37.272630 ° -120.280390 °	37.272630 ° -120.280390 °	2 Y
16	1.27	1.27	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.272866 ° -120.280295 °	37.272866 ° -120.280295 °	13
17	1.32	1.32	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.273454 ° -120.279891 °	37.273454 ° -120.279891 °	4

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/21/2011 11/21/2011	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Tall thistle within 10' of landside toe obstructs access and visibility.	
phillips_f_20110929_050.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The area hasn't changed much since last inspection. Tall thistle and mustards within 10' of landside toe. 5-4-2011	
phillips_f_20110929_051.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Owens Creek Unit 3 looking downstream from levee mile 0.01. Photo taken 11-21-2011.	
phillips_f_20111208_124.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/21/2011 11/21/2011	Herman Phillips

Levee Mile Report Line	8
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

A close look at the site, which is covered by thick star thistles.

SJR2011_NA0013U03RM1_1.jpg



Levee Mile Report Line	8
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Site covered with dense vegetation.

SJR2011_NA0013U03RM1_2.jpg



Levee Mile Report Line	8
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Some cracking on the site.

SJR2011_NA0013U03RM1_3.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/21/2011 11/21/2011	Herman Phillips

Levee Mile Report Line	14
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope and toe.

phillips_f_20110929_049.jpg



Levee Mile Report Line	15
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with dense thistles.

SJR2011_NA0013U03RM1.25_1.jpg



Levee Mile Report Line	15
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

No significant change visible from the levee top

SJR2011_NA0013U03RM1.25_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/21/2011 11/21/2011	Herman Phillips

Levee Mile Report Line	15
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with dense thistles.

SJR2011_NA0013U03RM1.25_3.jpg



Levee Mile Report Line	15
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking visible at the levee shoulder

SJR2011_NA0013U03RM1.25_4.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Merced Streams Group**

Waterway			Bank	Unit Miles
Unit No. 04 Owens Creek Diversion			Left	1.44
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/4/2011 - 5/4/2011		11/22/2011 - 11/22/2011	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion							Left	1.44	11/22/2011 11/22/2011	Herman Phillips
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.13	Channels	Encroachments	WS	M		37.273082 ° -120.277984 °	37.273023 ° -120.279972 °	17 Y
2	0.01	0.01	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.273082 ° -120.277984 °	37.273082 ° -120.277984 °	7 Y
3	0.08	0.93	Channels	Encroachments	LS	M		37.273324 ° -120.279170 °	37.264394 ° -120.288082 °	9
4	0.12	0.12	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.272997 ° -120.280003 °	37.272997 ° -120.280003 °	29
5	0.12	0.17	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.273070 ° -120.279985 °	37.272466 ° -120.280214 °	10
6	0.15	0.28	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/16/2011: No significant change was visible. Minor cracking on the waterside levee slope was spotted. 100 percent vegetation coverage with star thistles. 11/30/2010: Site was not inspected this year due to time constraints. There have been no reports from the district that the site has been corrected.2009: Site recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; previously rated "U".9/10/2007: GPS extended from opposite bank using Google Earth; signs of vehicular damage on levee. [2011 Site ID:NA0013U04RM0.21]	37.272283 ° -120.280869 °	37.272283 ° -120.280869 °	3 Y
7	0.18	0.18	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.272429 ° -120.280251 °	37.272429 ° -120.280251 °	1
8	0.23	0.23	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.272219 ° -120.281157 °	37.272219 ° -120.281157 °	31
9	0.28	0.28	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.271809 ° -120.281876 °	37.271809 ° -120.281876 °	32
10	0.42	0.43	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/16/2011: No visible significant changes. 100 percent vegetation coverage with star thistles. Minor cracking visible on the waterside slope.11/30/2010: Site was not inspected this year due to time constraints. There have been no reports from the district that the site has been corrected.2009: Site is recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; terracetting damage from livestock traversing; there is a wooden platform installed on site; landside is on high ground; site was previously rated "M".9/10/2007: GPS extended from opposite bank using Google Earth; GPS on file is correct. [2011 Site ID:NA0013U04RM0.42]	37.270630 ° -120.283970 °	37.270630 ° -120.283970 °	4 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion				Left	1.44	11/22/2011 11/22/2011	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
11	0.45	0.45	Earthen Levee	Animal Control	CR	C	Exterminate rodents and backfill and compact or grout burrows.	37.270369 ° -120.284182 °	37.270369 ° -120.284182 °	968
12	0.50	0.50	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.269709 ° -120.284712 °	37.269709 ° -120.284712 °	2
13	0.51	1.03	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.269627 ° -120.284865 °	37.262888 ° -120.287889 °	11
14	0.53	0.53	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.269357 ° -120.284992 °	37.269357 ° -120.284992 °	25
15	0.60	1.04	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.268544 ° -120.285738 °	37.262887 ° -120.287889 °	12
16	0.62	0.62	Earthen Levee	Animal Control	CR	C	Exterminate rodents and backfill and compact or grout burrows.	37.268267 ° -120.285877 °	37.268267 ° -120.285877 °	6
17	0.63	0.63	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.268176 ° -120.285983 °	37.268176 ° -120.285983 °	23
18	0.65	0.65	Earthen Levee	Animal Control	WS	C	Exterminate rodents and backfill and compact or grout burrows.	37.267983 ° -120.286154 °	37.267983 ° -120.286154 °	22
19	0.66	0.70	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.267841 ° -120.286257 °	37.267356 ° -120.286650 °	21
20	0.72	0.72	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	37.267078 ° -120.286847 °	37.267078 ° -120.286847 °	969
21	0.73	0.73	Earthen Levee	Animal Control	WS	U	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Can't see the holes levee slopes covered with weeds waterside. 5-5-2011	37.267035 ° -120.286910 °	37.267035 ° -120.286910 °	20 Y
22	0.75	0.75	Earthen Levee	Animal Control	WS	U	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: The levee slope listed as U during my inspection 5-5-2-11 the levee slope was covered with weeds I couldn't see the holes.	37.266769 ° -120.287130 °	37.266769 ° -120.287130 °	19 Y
23	0.79	0.79	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.266270 ° -120.287543 °	37.266270 ° -120.287543 °	18
24	0.84	0.84	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.265620 ° -120.287973 °	37.265620 ° -120.287973 °	33
25	0.86	0.86	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.265229 ° -120.288030 °	37.265229 ° -120.288030 °	34
26	0.88	0.89	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.265142 ° -120.288045 °	37.264857 ° -120.288049 °	15

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion							Left	1.44	11/22/2011 11/22/2011	Herman Phillips
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
27	0.91	0.91	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.264590 ° -120.288037 °	37.264590 ° -120.288037 °	35
28	0.93	0.93	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.264325 ° -120.288038 °	37.264325 ° -120.288038 °	36
29	0.93	0.93	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.264325 ° -120.288038 °	37.264325 ° -120.288038 °	970 Y
30	0.97	0.97	Earthen Levee	Cracking	WS	W	Monitor and have inspected by geotechnical engineer. Inspector Comments: Tall weeds present along both levee slopes not able to see the cracks mentioned in previous inspection.	37.263850 ° -120.288021 °	37.263850 ° -120.288021 °	14 Y
31	1.01	1.01	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodents under gate and fence.	37.263116 ° -120.287789 °	37.263116 ° -120.287789 °	37
32	1.03	1.43	Channels	Encroachments	WS	M		37.262892 ° -120.287887 °	37.257331 ° -120.288152 °	16
33	1.04	1.04	Earthen Levee	Encroachments	LS	M	Garbage	37.262885 ° -120.287894 °	37.262885 ° -120.287894 °	13
34	1.22	1.22	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	C	Inspector Comments: Gravity drainage outlet covered with soil.	37.260248 ° -120.288138 °	37.260248 ° -120.288138 °	8

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/22/2011 11/22/2011	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.13
Location	Water Side
Category	Channels
Item	Encroachments

Dredged material on waterward berm.

phillips_f_20111208_127.jpg



Levee Mile Report Line	2
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Owens Creek Unit 4 standing at levee mile 0.00 looking downstream. Photo taken 11-21-2011.

phillips_f_20111208_126.jpg



Levee Mile Report Line	6
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with dense star thistles. No significant changes visible

SJR2011_NA0013U04RM0.21_1.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/22/2011 11/22/2011	Herman Phillips

Levee Mile Report Line	6
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with dense star thistles

SJR2011_NA0013U04RM0.21_2.jpg



Levee Mile Report Line	6
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking visible on the site

SJR2011_NA0013U04RM0.21_3.jpg



Levee Mile Report Line	6
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking visible on the site

SJR2011_NA0013U04RM0.21_4.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/22/2011 11/22/2011	Herman Phillips

Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with thick vegetation

SJR2011_NA0013U04RM0.42_1.jpg



Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with thick vegetation

SJR2011_NA0013U04RM0.42_2.jpg



Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking on waterside levee shoulder

SJR2011_NA0013U04RM0.42_3.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/22/2011 11/22/2011	Herman Phillips

Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking on waterside levee shoulder

SJR2011_NA0013U04RM0.42_4.jpg



Levee Mile Report Line	21
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope.

phillips_f_20110929_061.jpg



Levee Mile Report Line	21
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slopes. 5-4-2011

phillips_f_20110929_062.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/22/2011 11/22/2011	Herman Phillips

Levee Mile Report Line	22
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope.

phillips_f_20110929_059.jpg



Levee Mile Report Line	22
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Active animal borrows on levee slope. 5-4-2011

phillips_f_20110929_060.jpg



Levee Mile Report Line	29
Start Levee Mile	0.93
End Levee Mile	0.93
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope.

phillips_f_20110929_066.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/22/2011 11/22/2011	Herman Phillips

Levee Mile Report Line	30
Start Levee Mile	0.97
End Levee Mile	0.97
Location	Water Side
Category	Earthen Levee
Item	Cracking

Minor surface cracking on waterside levee slope.

phillips_f_20110929_058.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor